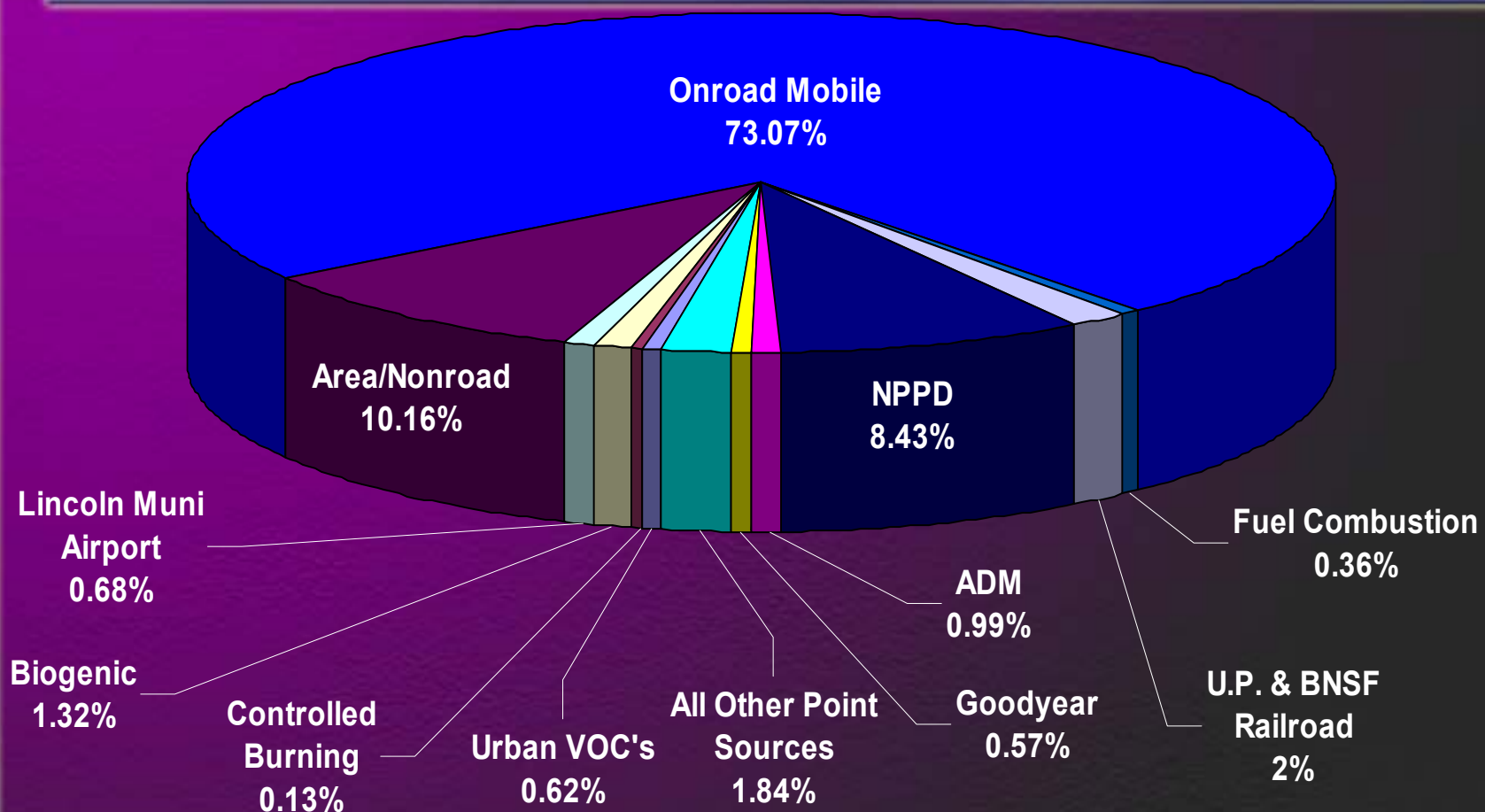


Nonpoint Air Emissions



Rick Thorson
Charles Riley
Gary Bergstrom

Total Pollutant Summary



Nonpoint Sources

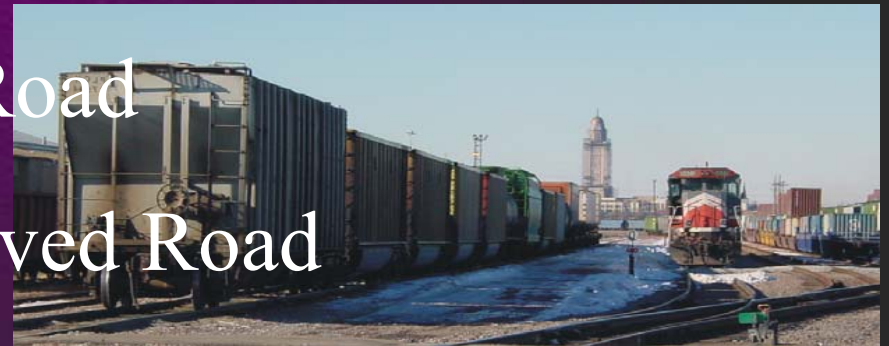
- Residential/Light Commercial Fuel Combustion
- Residential/Light Commercial VOCs
- Prescribed Burning – Wood/Grasses/Leaves
- On-Road Mobile

Nonpoint Sources (continued)



- Airport
- Railroad
- Biogenic

- Off-Road
- Unpaved Road





Residential/Light Commercial Fuel Combustion

Contaminant	Emissions (tons)
VOC	21.3
NOx	384.9
SOx	2.5
CO	155.8
PM	29.7
CO2	480,777.2

Residential/Light Commercial VOCs

Total VOC/person/yr	7.84
2002 Pop.	257,513.0
Total lbs VOC	2,018,901.9
Total tons	1,009.5

Prescribed Burning

Contaminant	Emissions (tons/yr)
VOC	22.2
NOx	4.7
CO	163.8
PM	19.89
HAPS	1.29

On-road/Mobile Emissions

Contaminant	Emissions (tons/yr)
VOC	7,070.0
CO	98,662.8
NOx	10,927
SOx	511.6
PM	1,054.4
HAPS	1,424.3

Biogenic Emissions

Contaminant	Emissions (tpy)
NO _x	1,556.06
VOC	597.55

Nonroad

Contaminant	Emissions (tpy)
CO	11,924.91
NO _x	2,757.77
PM	248.25
SO _x	719.01
VOC	983.37

Unpaved Road

Contaminant	Emissions (tpy)
PM ₁₀	66,577

****Lower than 1999 Figures due to increased paving within Lancaster County.**

Lincoln Municipal Airport

Contaminant	Emissions (tpy)
CO	842.20
NO _x	219.43
PM	0.88
SO _x	12.53
VOC	45.37

Railroad

Contaminant	Emissions (tpy)
CO	305.39
NO _x	2,353.63
PM	55.87
SO _x	171.61
VOC	108.26

Toxics Monitoring



- \$85,000 EPA grant to conduct air toxics monitoring for one year
- Began sampling April 1, 2002

CO Monitoring



- Began monitoring in mid-1970s
- Levels consistently show good air quality

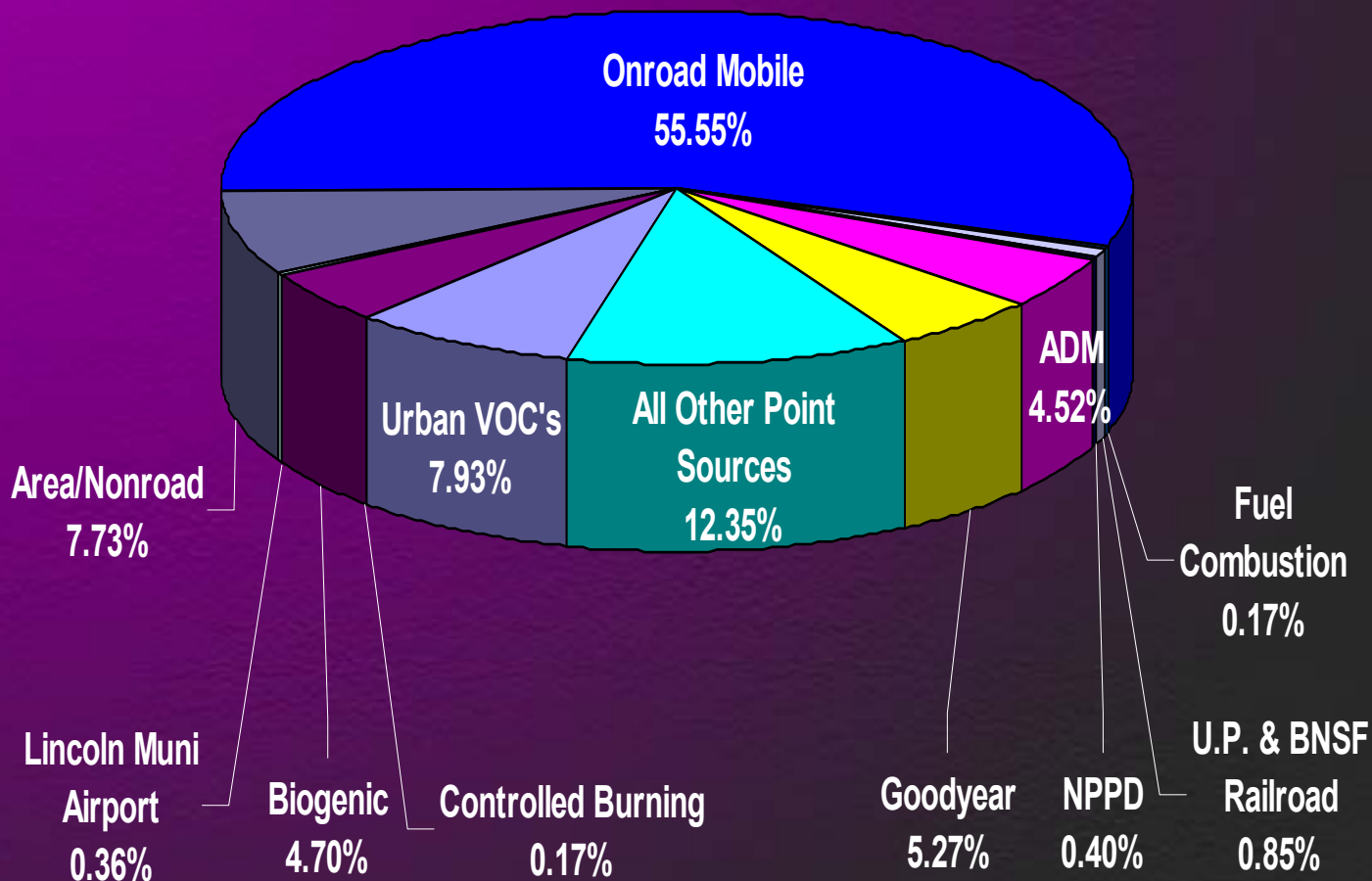
PM2.5 Monitoring



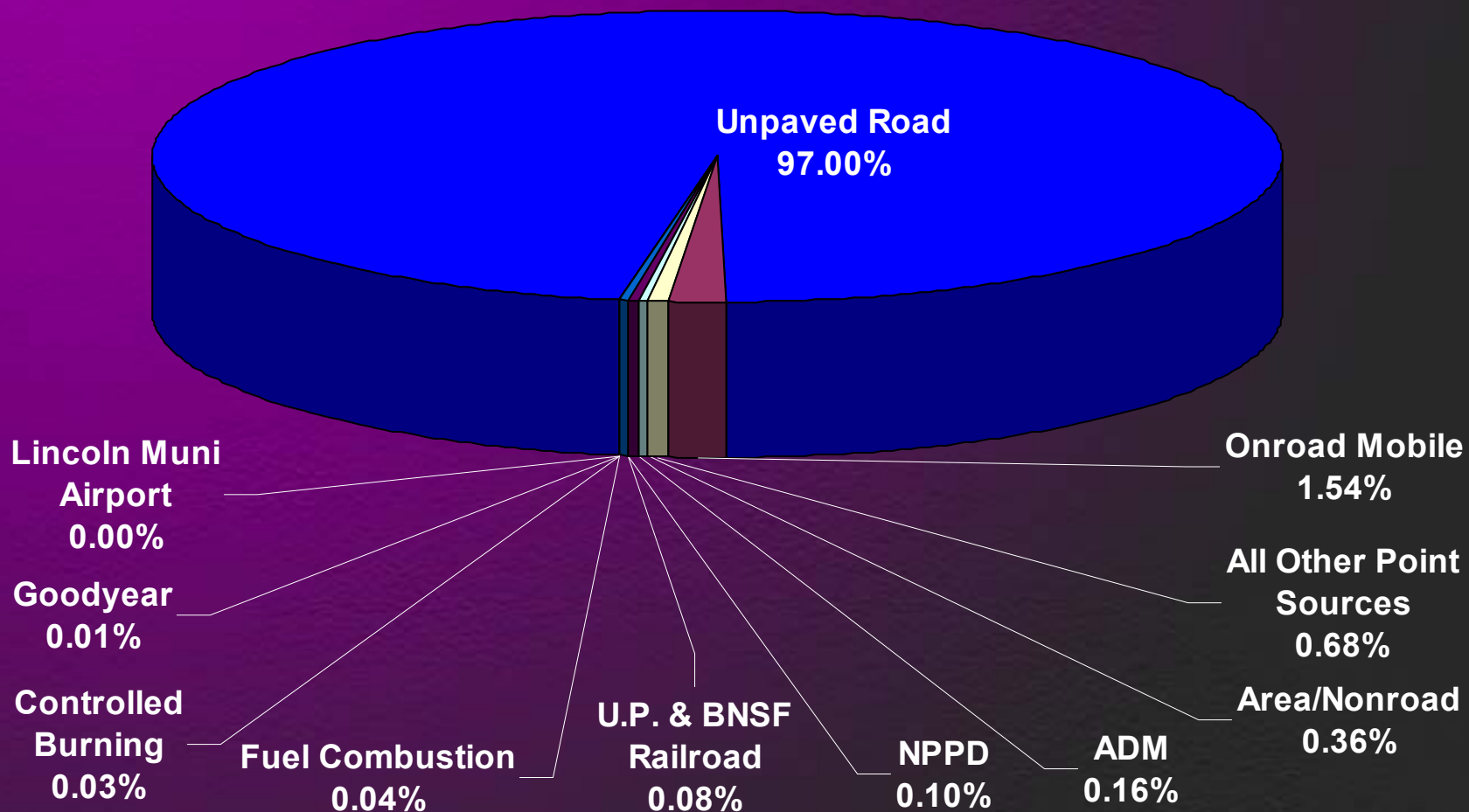
- Began in 1998
- Roof of the Health Department

- Data indicates that Lincoln-Lancaster County air quality good

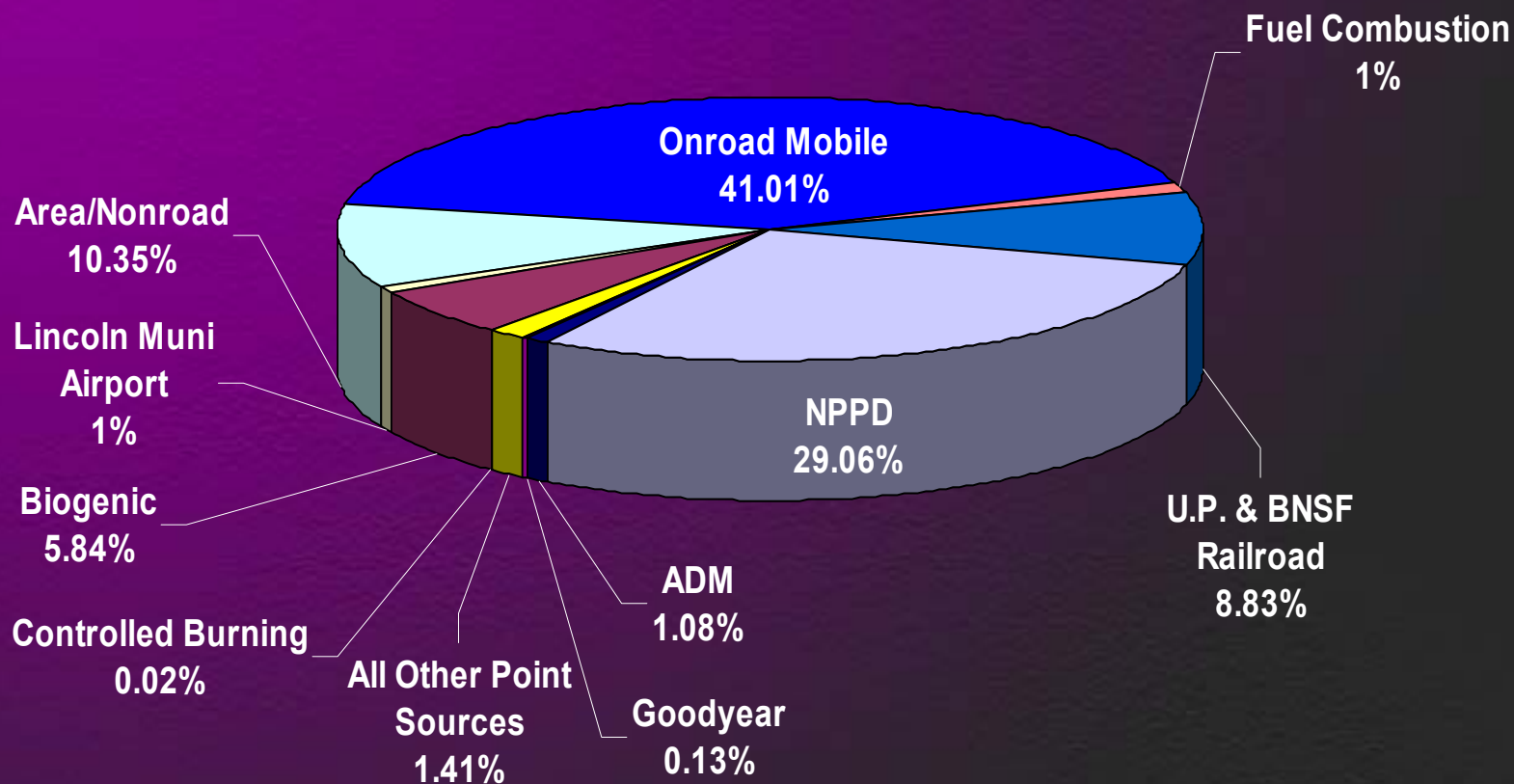
VOC Totals By Source



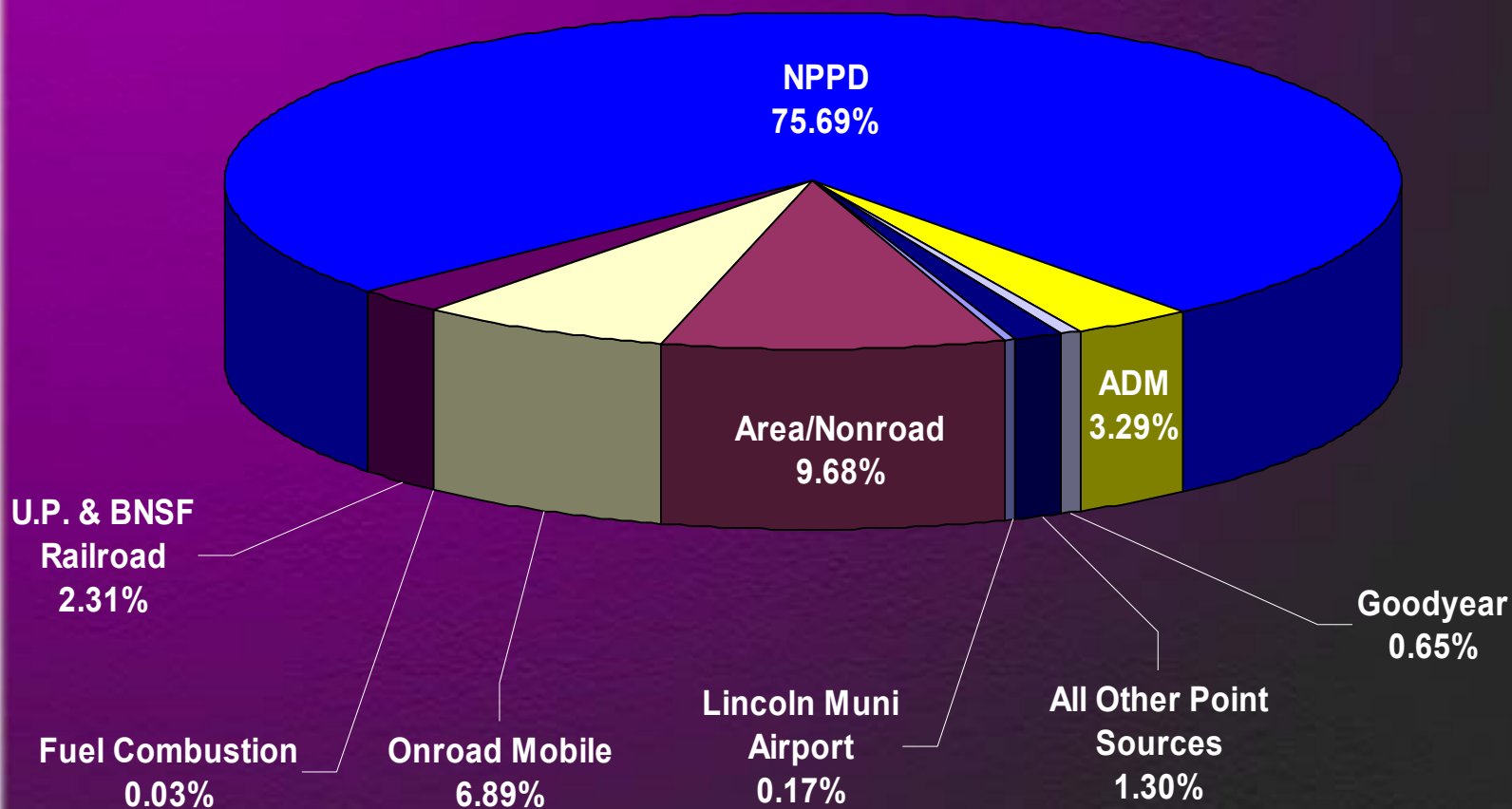
PM Totals By Source



NO_x Totals By Source



SOx Totals By Source



CO Totals By Source

